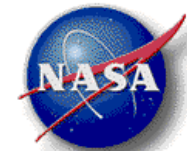




Alpha Magnetic
Spectrometer NASA / DOE

Open Paper Management Tool

Open Items Report



National Aeronautics and
Space Administration

Friday, December 12, 2008

Open Action Items Report

Open Item Number: 07-025

RID Open Date: 11/5/2007

Title: Vacuum Pump Monitoring

Intiator(s): Jack Keifenheim

Description: Determine ground and on-board vacuum pump monitoring requirements at pad.

Action Item Information

Actionee(s): Trent Martin/JSC, Mike Capell/MIT

Action Due Date: 2/11/2009

Action: Determine what information needs to be monitored on the vacuum pumps during all ground processing scenarios. In particular, determine what monitoring is required during S0024 and the pad clears, and whether 24/7 monitoring is required.

Action Status: 11/6/2008 - Basic plan discussed at GSR but CERN CGSE team will determine specifics. Action rolled to next TIM pending results of magnet systems engineering discussions.
8/1/2008 - Dieter Schinzel/ETH confirmed to be CGSE coordinator for KSC operations. Action due date changed to 10/21/2008 due to his current workload. Preliminary plan will be discussed at the Phase II Ground Safety Review.
6/13/2008 - Plan to discuss CGSE issues at July TIM - date rolled to reflect.
12/16/2007 - Issues to be investigate during CGSE shakedown at CERN. Action date rolled to delivery + 3 weeks (~mid-June).

Open Action Items Report

Open Item Number: 07-033

RID Open Date: 11/5/2007

Title: OPF Testing

Intiator(s): Jack Keifenheim

Description: Provide details on proposed OPF testing.

Action Item Information

Actionee(s): Peter Dennett/ESCG

Action Due Date: 1/15/2008

Action: Provide details on facility requirements for all proposed OPF tests.

Action Status: 11/6/2008 - Preliminary list provided to PDL team. Tim Urban to confirm that all required data is included. Further action to be included in LSSP.
8/22/2008 - Preliminary list sent out by Peter Dennett for review.
6/6/2008 - Tim Urban to update flowchart based on inputs from observing the HST testing and recirculate for review.
5/1/2008 - Proposal sent out for review.
12/16/2007 - Date set to 15 Jan.

Open Action Items Report

Open Item Number: 07-038

RID Open Date: 3/7/2008

Title: S-Band CHD Support

Intiator(s): Chris Tutt

Description: Approval of AMS use of the S-Band for CHD comes from the ICATT

Action Item Information

Actionee(s): Trent Martin/EA3, Tim Urban/ESCG

Action Due Date: 4/7/2008

Action: Meet with Susan Creasy and the ASCB to determine what information they need to approve this request.

Action Status: 11/6/2008 - ASCB requirements fully understood by AMS Project Office, but further work on hold pending ISS approval.
8/22/2008 - Meeting scheduled for 28 Aug at 9:00AM Houston time.
8/1/2008 - Date changed to week of 18 Aug to meet ASCB schedules.
7/16/2008 - Data received from ASCB - follow-on meeting tentatively scheduled for week of August 4th.
7/11/2008 - Final repsonse provided to ASCB. Still awaiting their response to our action.
6/27/2008 - Writeup received from Mike Capell - under review at ESCG.
6/6/2008 - Potential list of Critical Health items circulated for review. Awaiting comments from collaboration.
4/24/2008 - Preliminary meeting with ASCB showed that request is possible. ASCB to provide more detail on current Ku-band/S-band coverage limits. Project to better define what information is being requested to help ASCB team prepare the justification for the request.

Open Action Items Report

Open Item Number: 07-041

RID Open Date:

Title: TRD Gas Supply ADP

Intiator(s): Leland Hill

Description: Safety documentation needs to be generated to close all safety inspections relative to the TRD Gas Supply

Action Item Information

Actionee(s): Chris Tutt

Action Due Date: 4/25/2008

Action: Work with Thorsten Siedenbergh to get documentation of TRD Gas Supply heater installation and inspection, COPV acceptance data, and missing stress report items.

Action Status: 12/5/2008 - Closure plan worked out with Scott Forth. APO collecting required data.
11/6/2008 - Draft requirements documents reviewed and preliminary assessment complete. APO trying to contact Scott Forth/ES4 for additional guidance.
8/1/2008 - Reports delivered and all required data available. SVM memo to be written.
7/11/2008 - Aris Escalona/Arde' has promised to send missing reports.
6/13/2008 - Updated information requested from Thorsten. Awaiting response.

Open Action Items Report

Open Item Number: 07-044

RID Open Date: 4/3/2008

Title: PMT Inspections

Intiator(s): Leland Hill

Description: PMTs need appropriate safety documentation to justify multiple closures.

Action Item Information

Actionee(s): Chris Tutt

Action Due Date: 4/25/2008

Action: Work with Frank Cadoux, Stefan Schael, and Giulano Laurenti to determine what acceptance documentation exists for the PMTs in each of the various detector groups.

Action Status:

Open Action Items Report

Open Item Number: 07-049

RID Open Date: 7/11/2008

Title: *On-Orbit Envelope Exceedence*

Intiator(s): Trent Martin

Description: *AMS-02 exceeds the on-orbit operations envelope given in SSP 57003 in two main locations: the ROEU bracket and the lower VC and support ring.*

Action Item Information

Actionee(s): Leo Cornejo/Boeing

Action Due Date: 11/30/2008

Action: *Gain approval of exception to SSP 57213 documenting exceedence.*

Action Status: *11/6/2008 - Worksite analysis in work - ECD is 30 Nov.*

8/7/2008 - Assembly Analysis team has raised concerns about ROEU protrusion. MAGIK AI 2279A shows no issue with ROEU. APO recommendation is for boards to fight amongst themselves and have winners request any additonal data needed.

7/16/2008 - EVA worksite analysis and assembly analysis in work. ECD is 25 Sep.

Open Action Items Report

Open Item Number: 07-050

RID Open Date: 7/11/2008

Title: PVGF Clearance Exceedence

Intiator(s): Trent Martin

Description: AMS-02 has small intrusion into PVGF approach envelope.

Action Item Information

Actionee(s): Leo Cornejo/Boeing

Action Due Date: 8/5/2008

Action: Gain approval of exception to SSP 57213 documenting exceedence.

Action Status: 11/6/2008 - Boeing PE&I trying to reach someone in ER3. ECD is 30 Nov.

7/16/2008 - Presentation to SEWG scheduled for 22 July, estimated closure date is 5 Aug.

Open Action Items Report

Open Item Number: 07-051

RID Open Date: 7/11/2008

Title: External Touch Temperature Exception

Intiator(s): Trent Martin

Description: AMS-02 exceeds the unlimited contact touch temperature requirements at the EVA connector panel.

Action Item Information

Actionee(s): Leo Cornejo/Boeing

Action Due Date: 8/13/2008

Action: Gain approval of exception to SSP 57213 documenting exceedence.

Action Status: 12/12/2008 - PSRP tentative approval given at meeting - formal approval should be forthcoming when updated NCR is submitted. Boeing PE&I approval expected soon.
12/5/2008 - Formal meeting with PSRP scheduled for 10 Dec.
11/6/2008 - APO contacted Mike Surber to get better ECD. More information allegedly forthcoming.
8/14/2008 - NCR approved by EVA AIT and submitted to Ray Rehm/PSRP. Approval to be discussed on 15 Sep.
8/1/2008 - Updated NCR and memo released to incorporate comments from the panel. Changes under review.
7/16/2008 - When EVA AIT gives approval, NCR will be submitted to PSRP. Final closure expected by 13 Aug.
7/11/2008 - Exception under review by EVA AIT - all comments due back on 24 Jul.

Open Action Items Report

Open Item Number: 07-052

RID Open Date: 7/11/2008

Title: PVGF Cable Tie Exceedence

Intiator(s): Trent Martin

Description: PVGF harness installation guide requires cable ties every six inches, but AMS-02 hardware layout force unsupported length longer than that in one location.

Action Item Information

Actionee(s): Leo Cornejo/Boeing

Action Due Date: 8/15/2008

Action: Gain approval of exception to SSP 57213 documenting exceedence.

Action Status: 11/6/2008 - Boeing PE&I trying to reach someone in ER3. ECD is 30 Nov.
7/16/2008 - Exception under review by EVR team. Final approval will be given by SEWG and RICB.
ECD is 15 Aug.

Open Action Items Report

Open Item Number: 07-053

RID Open Date: 7/11/2008

Title: DC Magnetic Field Exception

Intiator(s): Trent Martin

Description: AMS-02 ha a DC magnetic field which exceeds nominal SSP 57003 limits.

Action Item Information

Actionee(s): Leo Cornejo/Boeing

Action Due Date: 8/4/2008

Action: Gain approval of exception to SSP 57213 documenting exceedence.

Action Status: 11/6/2008 - No word from GSFC. ECD 30 Nov.

7/16/2008 - Boeing PEI has reviewed and has no issues. GSFC reviewing for possible ELC issues. ECD is 4 Aug.

Open Action Items Report

Open Item Number: 07-054

RID Open Date: 7/11/2008

Title: Thermal Exchange Exception

Intiator(s): Trent Martin

Description: AMS-02 exceeds maximum speculariry requirements in SSP 57003.

Action Item Information

Actionee(s): Leo Cornejo/Boeing

Action Due Date: 8/13/2008

Action: Gain approval of exception to SSP 57213 documenting exceedence.

Action Status: 11/6/2008 - Exception is in signature cycle - ECD 30 Nov.

7/16/2008 - PTCS analysis is complete and shows no issues. PEI review in work. ECD is 13 Aug.